

Supplementary Material Table 3. SIMPER analysis of taxonomic groups (family level) driving Bray Curtis dissimilarity between February and September. Average abundance is square root transformed. Top 30% dissimilarity shown. Average dissimilarity = 43.35.

Species	Group september		Group february				Contrib%	Cum.%
	Av.Abund	Av.Abund	Av.Diss	Diss/SD				
k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_Microbacteriaceae	0.14	0.27	1.61	1.29	3.71	3.71		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Oceanospirillales;f_Halomonadaceae	0.32	0.2	1.38	1.37	3.19	6.9		
k_Bacteria;p_Actinobacteria;c_Acidimicrobia;o_Acidimicrobiales;f_OCS155	0.27	0.17	1.16	1.4	2.67	9.57		
k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae	0.46	0.56	1.06	1.52	2.44	12.01		
k_Bacteria;p_Bacteroidetes;c_Flavobacteriales;o_Flavobacteriaceae	0.42	0.32	0.93	1.28	2.15	14.16		
k_Bacteria;p_Bacteroidetes;c_Saprospirales;o_Saprospiraceae	0.02	0.11	0.82	1.87	1.9	16.06		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Oceanospirillales;f_	0.09	0.05	0.77	0.82	1.77	17.83		
k_Bacteria;p_Cyanobacteria;c_Synechococcophyceae;o_Synechococcales;f_Synechococcaceae	0.03	0.11	0.74	1.71	1.71	19.53		
k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_f_	0.21	0.17	0.63	1.32	1.45	20.98		
k_Bacteria;p_Actinobacteria;c_Actinobacteria;o_Actinomycetales;f_	0.02	0.09	0.61	2.05	1.4	22.39		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Oceanospirillales;f_SUP05	0.06	0.11	0.59	1.35	1.35	23.74		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Thiotrichales;f_Piscirickettsiaceae	0.11	0.05	0.58	1.54	1.34	25.07		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Altomonadales;f_OM60	0.19	0.14	0.57	1.38	1.32	26.39		
k_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rickettsiales;f_Pelagibacteraceae	0.1	0.14	0.56	1.76	1.3	27.69		
k_Bacteria;p_Proteobacteria;c_Betaproteobacteria;o_Rhodocylales;f_Rhodocyclaceae	0.07	0.08	0.53	1.02	1.21	28.91		
k_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Altomonadales;f_Alteromonadaceae	0.1	0.04	0.51	1.67	1.18	30.09		
k_Bacteria;p_Bacteroidetes;c_Flavobacteriales;o_Flavobacteriaceae	0.19	0.15	0.49	1.06	1.13	31.22		